

STAAR Alternate 2 Spring 2015 and 2016 Grade 5 Science Essence Statements

STAAR Reporting Category 1	STAAR Reporting Category 2	STAAR Reporting Category 3	STAAR Reporting Category 4
<p>Matter and Energy: The student will demonstrate an understanding of the properties of matter and energy and their interactions.</p>	<p>Force, Motion, and Energy: The student will demonstrate an understanding of force, motion, and energy and their relationships.</p>	<p>Earth and Space: The student will demonstrate an understanding of components, cycles, patterns, and natural events of Earth and space systems.</p>	<p>Organisms and Environments: The student will demonstrate an understanding of the structures and functions of living organisms and their interdependence on each other and on their environment.</p>
<p>Knowledge and Skills Statements (5.5) Matter and energy. The student knows that matter has measurable physical properties and those properties determine how matter is classified, changed, and used. (Readiness and Supporting Standard) (3.5) Matter and energy. The student knows that matter has measurable physical properties and those properties determine how matter is classified, changed, and used. (Supporting Standard)</p> <p>Essence Statement Identifies and classifies matter by its physical properties and determines how matter is changed.</p> <p>~~~~~</p>	<p>Knowledge and Skills Statements (5.6) Force, motion, and energy. The student knows that energy occurs in many forms and can be observed in cycles, patterns, and systems. (Readiness and Supporting Standard) (3.6) Force, motion, and energy. The student knows that forces cause change and that energy exists in many forms. (Supporting Standard)</p> <p>Essence Statement Recognizes force, motion, and energy and their relationships.</p>	<p>Knowledge and Skills Statements (5.7) Earth and space. The student knows Earth's surface is constantly changing and consists of useful resources. (Readiness and Supporting Standard) (4.7) Earth and space. The students know that Earth consists of useful resources and its surface is constantly changing. (Supporting Standard) (3.7) Earth and space. The student knows that Earth consists of natural resources and its surface is constantly changing. (Supporting Standard)</p> <p>Essence Statement Knows that Earth's surface is constantly changing and consists of useful resources.</p> <p>~~~~~</p> <p>Knowledge and Skills Statements (5.8) Earth and space. The student knows that there are recognizable patterns in the natural world and among the Sun, Earth, and Moon system. (Readiness and Supporting Standard) (4.8) Earth and space. The student knows that there are recognizable patterns in the natural world and among the Sun, Earth, and Moon system. (Supporting Standard) (3.8) Earth and space. The student knows there are recognizable patterns in the natural world and among objects in the sky. (Supporting Standard)</p>	<p>Knowledge and Skills Statements (5.9) Organisms and environments. The student knows that there are relationships, systems, and cycles within environments. (Readiness and Supporting Standard) (3.9) Organisms and environments. The student knows that organisms have characteristics that help them survive and can describe patterns, cycles, systems, and relationships within the environments. (Supporting Standard)</p> <p>Essence Statement Knows that there are relationships and characteristics within environments that support organisms.</p> <p>~~~~~</p> <p>Knowledge and Skills Statements (5.10) Organisms and environments. The student knows that organisms undergo similar life processes and have structures that help them survive within their environments. (Readiness and Supporting Standard) (3.10) Organisms and environments. The student knows that organisms undergo similar life processes and have structures that help them survive within their environments. (Supporting Standard)</p> <p>Essence Statement Knows that organisms undergo life processes and have structures that help them survive within their environments.</p>

		Essence Statement Recognizes patterns in the natural world and among the Sun, Earth, and Moon system.	
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